

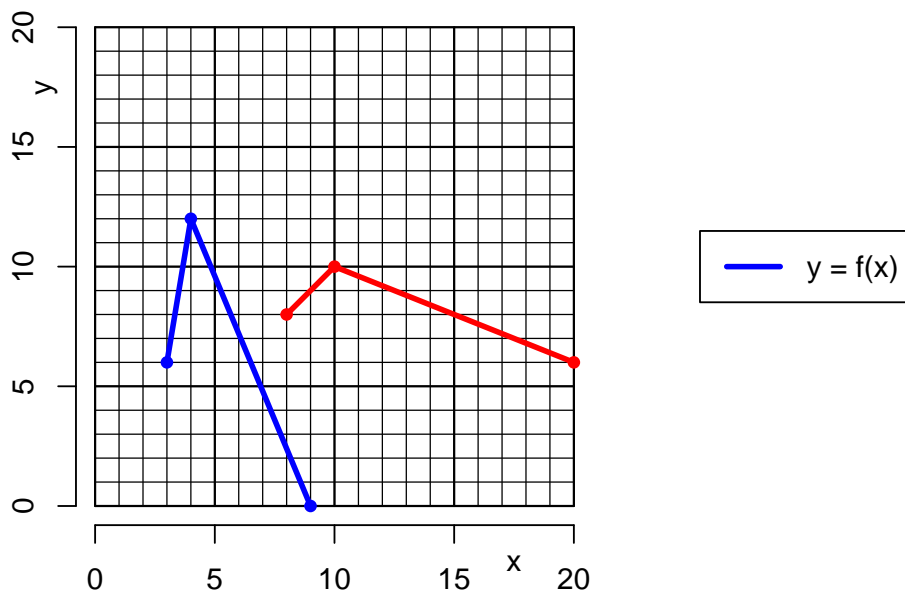
Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_18 Find new points after transformation (version 32)

### Question 1

Curve  $y = f(x)$  contains points  $(3, 6)$  and  $(4, 12)$  and  $(9, 0)$ , as shown on the  $x$ - $y$  plane below.

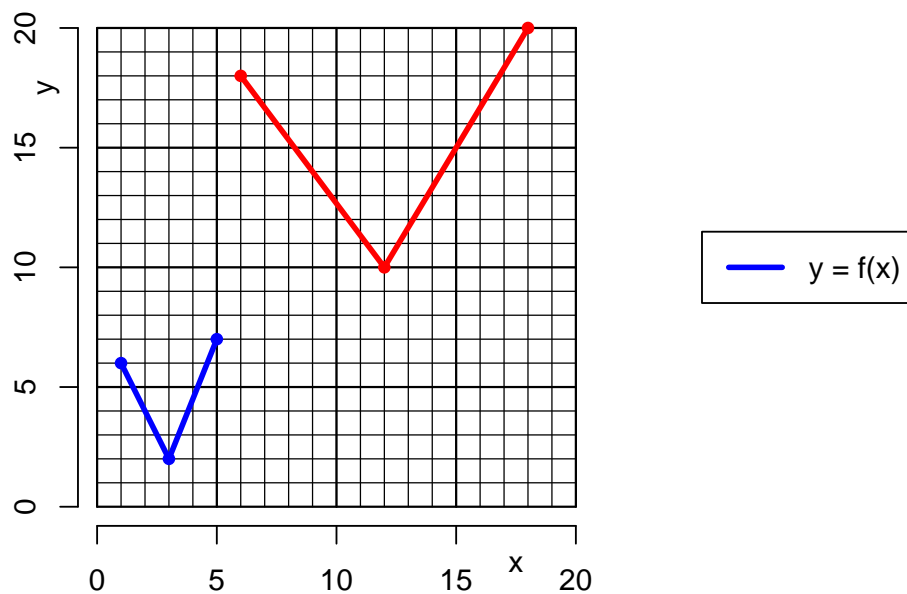


On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f\left[\frac{x-2}{2}\right]}{3} + 6$$

## Question 2

Curve  $y = f(x)$  contains points  $(1, 6)$  and  $(3, 2)$  and  $(5, 7)$ , as shown on the  $x$ - $y$  plane below.



On the same plane, please draw the curve represented by the equation below:

$$y = 2f\left[\frac{x-3}{3}\right] + 6$$